

August 28.—Camp at small lake leading into Kasba lake. Small outcrop of mica schist; a smooth low rock, full of small water-holes, sloping gently to water's edge; other rocks same as before, chiefly granite.

August 29.—South side of the divide (a short distance east of Clinton Colden lake): Quartzitic grey granite, dipping south-east at an angle of 75°; red granite also in evidence a short distance east. Last sight of Laurentian gneiss, but it may be present. Had but little time to look around, as I was busy portaging.

August 31.—Fine-grained basalt (?) diorite (?) obtained from a highish rocky island, north-east end of Clinton Colden lake, rock sloping south-east to water's edge, smoothed and striated, striæ south-south-east; island 7 miles west from east end of lake.

September 1.—North-west end of Clinton Colden lake. Rocks, grey granite; great deal of it; country very rocky.

September 2.—Went up strait between Aylmer and Clinton Colden lakes; coarse grained biotite, quartzitic grey granite. Biotite occurs in small chunks, and the rock is very full of it in smaller pieces. Rocks much displaced, and a rough country. Some of the granite is red, in which feldspar is very much in evidence.

September 3.—Along the south shore of Clinton Colden lake. Huge fragmentary rocks; where the rock is *in situ* it is smooth (water-worn) and slopes to the water's edge; no striation or grooves. The rock appears to have a certain foliation, and is associated with quartz in places; this rock, which I failed to classify, and the grey biotite granite are the distinctive rocks along the shore passed to-day. At two places the rock dips north at a high and low angle.

September 5.—Six miles south of narrows leading from Clinton Colden lake, similar rock to that on the King-ak portage (July 21)—pink feldspathic granite. Rock sloping to water's edge; no definite dip and no stria, but smoothed.

September 6.—River between Clinton Colden lake and Artillery lake, grey and feldspathic granite occurs along the banks. In places the country is of a very sandy nature.

September 7.—Twenty-two miles south from head of Artillery lake, and on the west side. This rock (specimens have been lost, of course) occurs all along the west shore to our present camp, which is 36 miles from the head of the lake, the grey and feldspathic granite only occasionally appearing. I called it an altered limestone. There are large outcrops of it all along; quartz being much in evidence in vein pebbles, and small chunks. On the outside of the rock the quartz appears in queue-shaped excrescences, which run along in the form of ridges, giving the rock a banded appearance. The matrix is brown on the outside, grey inside; very hard. Amber coloured quartz crystals in the form of hexagonal pyramids, also milk-white ditto were very common, and some beautiful specimens were taken. The rock itself reminded me of the boulders found on the Ark-e-leenik river (August 12). The boulders appeared to be composed of a hardened shale, and were a dullish white on the outside, and this rock has a brown appearance on the outside, but to the eye they appeared to be of the same composition. At the foot of the Artillery lake, the outlet, there is a vein of discoloured quartz containing large quantities of iron. I have a specimen of this; the rocks were granitic again, and this was the last place where any notice was taken of the rocks, for our trouble then commenced.

Slave lake has by this time been fully reported on. Sandstone occurs on some of the islands near Fond-du-lac.

In the foregoing notes, on the days which are missed, it must be supposed that the formation of the previous day or days continued, or else that no rocks were met with. There were no fossils to be found in the sandstone, although I searched diligently for them at several places.

Bar.		Ther.	
6 a.m.	6 p.m.	Min.	Max. in shade
—	30-08	11	—
30-10	30-21	13	—
30-28	30-30	1	—
30-22	30-13	6	—
30-04	30-10	16	—
30-12	30-13	0	—
30-13	30-00	5	—
30-03	30-08	10	—
30-13	30-11	15	—
30-11	29-88	18	—
29-48	29-89	27	—
30-00	29-96	4	—
29-81	29-73	18	—
29-78	29-86	18	—
29-98	29-95	12	—
29-94	29-95	12	—
29-87	29-90	26	—
29-86	29-87	28	—
29-88	29-95	25	—
30-00	29-96	22	56
30-04	30-08	22	65
30-02	30-00	18	—
29-92	29-90	20	—
29-89	29-92	24	—
29-98	30-17	15	—
30-20	30-04	28	63
29-96	29-80	28	—
29-72	29-70	33	—
29-67	29-65	33	—
29-68	29-74	34	—
29-68	29-63	24	73 (in sun)
29-56	29-67	33	—
29-80	29-85	22	—
29-78	29-62	28	—
29-50	29-53	24	58
29-64	29-64	32	50
29-64	29-72	30	56
29-73	29-69	24	—
29-60	29-60	31	—
29-64	29-73	33	—
29-76	29-70	32	63
29-72	29-75	32	—
29-82	30-04	38	—
30-07	30-04	37	64
30-02	30-09	34	63
30-13	30-12	35	—
30-18	30-13	29	—
30-04	29-97	31	66
29-98	29-67	30	—
29-51	29-43	36	63
29-57	29-58	28	—
29-60	29-62	36	59
29-62	29-54	36	58
29-63	29-73	36	53
29-88	29-90	37	65
29-96	29-78	38	72
29-67	29-70	42	62
29-67	29-61	33	—
29-68	29-70	32	53
29-61	29-69	33	—
29-79	29-75	37	60